

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Atty. Dkt.: 2635-182  
Date: October 6, 2003

17858 U.S. PTO  
10/678095  
100603

Sir:

Attached for filing is the patent application of:

Inventor: KAWASE et al

Entitled: GAS CONCENTRATION DETECTING APPARATUS

and including attachments as noted below:

- ☒ Newly executed Declaration, ☐ Copy of Declaration from prior application, ☒ Abstract  
☐ Please **delete** the following inventors in the continuation/division/continuation-in-part application:  
**Deleted persons:**  
40 pages of specification and claims (including 20 numbered claims), and  
11 sheets of accompanying drawing/s.  
☒ Record the attached assignment to DENSO CORPORATION, Aichi-pref., Japan and return to the undersigned.  
☐ Attached is a Power of Attorney.  
☒ Priority is hereby claimed under 35 U.S.C. § 119 based on the following foreign applications:
- | Application Number | Country | Day/Month/Year Filed |
|--------------------|---------|----------------------|
| 2002-297773        | JAPAN   | 10 October 2002      |

, respectively, the entire content of which is hereby incorporated by reference in this application..

- ☒ Certified copy(ies) of foreign application(s) is/are attached.  
☐ Certified copy(ies) filed on \_\_\_\_\_ in prior appln. no. \_\_\_\_\_ filed \_\_\_\_\_  
☐ Petition filed in prior application to extend its life to insure co-pendency.  
☐ The prior application is assigned to \_\_\_\_\_  
☐ It is hereby requested that the Examiner consider the art cited in the parent application by applicant and/or the Examiner for the reasons stated therein. A listing of that art is attached.  
☐ Applicant claims "small entity" status. ☐ "Small entity" statement attached.  
☐ Please enter the attached and/or below preliminary amendment **prior** to calculation of filing fee:  
☒ Also attached: ☒ Information Disclosure Statement; ☐ Non-Publication Request; ☐ Nucleotide and/or Amino Acid Sequence Submission; ☐ Statement deleting Inventor(s) named in prior application; ☒ Other:  
**PTO 1449 W/References**

**FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY HEREWITH CANCELED**

Basic Filing Fee		\$	770.00
Total effective claims	20 - 20 (at least 20) = 0 x \$ 18.00	\$	0.00
Independent claims	2 - 3 (at least 3) = 0 x \$ 86.00	\$	0.00
If any proper multiple dependent claims now added for first time, add \$290.00 (ignore improper)		\$	0.00
	<b>SUBTOTAL</b>	\$	770.00
If "small entity," then enter half (1/2) of subtotal and subtract		-\$	( 0.00)
	<b>SECOND SUBTOTAL</b>	\$	770.00
Assignment Recording Fee (\$40.00)		\$	40.00
	<b>TOTAL FEE ENCLOSED</b>	\$	810.00

Any future submission requiring an extension of time is hereby stated to include a petition for such time extension.

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our **Account No. 14-1140**.  
A duplicate copy of this sheet is attached.

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**NIXON & VANDERHYE P.C.**

By Atty: Larry S. Nixon, Reg. No. 25,640

Signature: \_\_\_\_\_

*Larry S. Nixon*